



KS1 and KS2 Mathematics

Mathematics Planning:

- Work through the units at the pace of the children; question by question.
- Look out for prior lesson activities: make sure these are planned for and carried out.
- Lesson structure should be planned as followed:
 - Counting activity
 - Quick Maths (KS2)
 - Activities for whole-class instruction (Discover and share) (include suitable Kagan Structures where possible)
 - Work through questions with children- I do, we do, you do (Think together)
 - All children to complete independent tasks
 - Move on to Mastery Check and Deeper Learning questions.
 - End of Unit Check to be attempted by all children.
 - Shine intervention to be delivered by teacher at the end of each school day to those children who have been identified.
 - Arithmetic lessons should be planned each week. This should be a planned and taught lesson with clear learning objectives. The test must form part of the independent work. Errors and misconceptions should be addressed accordingly; as should same-day intervention from this.
 - White Rose and/or NCETM resources for Deeper Learning should be incorporated where necessary to challenge the more-able EVERY day.
 - Mastering Number NCETM programme (R-1)

Key Stage 1

Year Group	Autumn- Textbook A	Spring- Textbook B	Summer- Textbook C
1	Unit 1: Numbers to 10 Unit 2: Part-whole within 10 Unit 3: Addition and subtraction within 10 (1) Unit 4: Addition and subtraction within 10 (2) Unit 5: 2D and 3D shapes Unit 6: Numbers to 20	Unit 7: Addition within 20 Unit 8: Subtraction within 20 Unit 9: Numbers to 50 Unit 10: Introducing length and height Unit 11: Introducing weight and volume	Unit 12: Multiplication Unit 13: Division Unit 14: Halves and quarters Unit 15: Position and direction Unit 16: Numbers to 100 Unit 17: Time Unit 18: Money
2	Unit 1: Numbers to 100 Unit 2: Addition and subtraction (1) Unit 3: Addition and subtraction (2) Unit 4: Money Unit 5: Multiplication and division	Unit 6: Multiplication and division Unit 7: Statistics Unit 8: Length and height Unit 9: Properties of shape Unit 10: Fractions	Unit 11: Position and direction Unit 12: Problem solving and efficient methods Unit 13: Time Unit 14: Weight, volume and temperature

Lower Key Stage 2

Year Group	Autumn	Spring	Summer
3	Unit 1: Place value within 1000 Unit 2: Addition and subtraction (1) Unit 3: Addition and subtraction (2) Unit 4: Multiplication and division (1)	Unit 5: Multiplication and division (2) Unit 6: Money Unit 7: Statistics Unit 8: Length Unit 9: Fractions (1)	Unit 10: Fractions (2) Unit 11: Times Unit 12: Angles and properties of shape Unit 13: Mass Unit 14: Capacity
4	Unit 1: Place value: 4-digit numbers (1) Unit 2: Place value: 4-digit numbers (2) Unit 3: Addition and subtraction Unit 4: Measure: perimeter Unit 5: Multiplication and division (1)	Unit 6: Multiplication and division (2) Unit 7: Measure: area Unit 8: Fractions (1) Unit 9: Fractions (2) Unit 10: Decimals (1)	Unit 11: Decimals (2) Unit 12: Money Unit 13: Time Unit 14: Statistics Unit 15: Geometry: Angles and 2D shapes Unit 16: Geometry: Position and direction

Upper Key Stage 2

Year Group	Autumn	Spring	Summer
5	Unit 1: Place value: within 100,000 Unit 2: Place value: within 100,000 Unit 3: Addition and subtraction Unit 4: Graphs and tables Unit 5: Multiplication and division (1) Unit 6: Measure: area and perimeter	Unit 7: Multiplication and division (2) Unit 8: Fractions (1) Unit 9: Fractions (2) Unit 10: Fractions (3) Unit 11: Decimals and percentages	Unit 12: Decimals Unit 13: Geometry: properties of shapes (1) Unit 14: Geometry: properties of shapes (2) Unit 15: Geometry: Position and direction Unit 16: Measure: converting units Unit 17: Measure: volume and capacity
6	Unit 1: Place value within 10, 000, 000 Unit 2: Four operations (1) Unit 3: Four operations (2) Unit 4: Fractions (1) Unit 5: Fractions (2) Unit 6: Geometry: position and direction	Unit 7: Decimals Unit 8: Percentages Unit 9: Algebra Unit 10: Measure: imperial and metric measures Unit 11: Measure: perimeter, area and volume Unit 12: Ratio and proportion	Unit 13: Geometry: properties of shapes Unit 14: Problem solving Unit 15: Statistics